

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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GOVERNOR

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JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

10/18/2011

Michael Murawski
Assistant District Attorney, Suffolk County

Dear ADA Murawski,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Lisa Glazer.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC analytical data for sample # [REDACTED]
6. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Lisa Glazer was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Lisa A. Glazer

Education

Bachelor of Science Degree, CHEMISTRY January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

Employment

Chemist I, II State Laboratory Institute (May 2007-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

Laboratory Technician I (August 2006 ~ May 2007)

University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- Set-up experiment demonstrations
- Properly disposed of hazardous waste from the experiments
- Made sure labs were being conducted safely
- Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

Intern (September 2005 – November 2005)

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

Trainings

Multijurisdictional Counterdrug Task Force Training (May 20, 2008)

Current Drug Trends – Methuen, MA

Multijurisdictional Counterdrug Task Force Training (May 6, 2009 - May 7, 2009)

Courtroom Testimony – Methuen, MA

DEA Forensic Chemist Seminar (June 21, 2010 - June 25, 2010)

Sterling, VA



DRUG RECEIPT

CC #

BOOK # 64

PAGE # 36

DESTRUCTION # _____

District/Unit A-1. DCW

Name & Rank of Arresting Officer S/D Wm DWAN ID# 10060

To be completed by ECU personnel only

Name and Rank of Submitting Officer

ID# 9370

Received by

Date 8-25-11

ECU Control #

No. [REDACTED]

Date Analyzed: 3/24/11

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 02/23/2011

No. Analyzed:

Gross Wt.: 1.60

Net Weight: 0.80

Tests: 6A/0

• 1/2/11

Prelim: Examination

Findings:

Negative

DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY BOSPD ANALYST AS2

No. of samples tested: _____ Evidence Wt: _____

PHYSICAL DESCRIPTION: Gross Wt (): 0.1503

white shiny substance

1.05

Gross Wt (): _____

Pkg. Wt: _____

doubtless

Net Wt: 0.0803

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) -

Marquis - (pink 5mins)

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride _____

TLTA () _____

OTHER TESTS

Dilute - -

GC + _____

PRELIMINARY TEST RESULTS

RESULTS Unknown

DATE 3-18-11

GC/MS CONFIRMATORY TEST

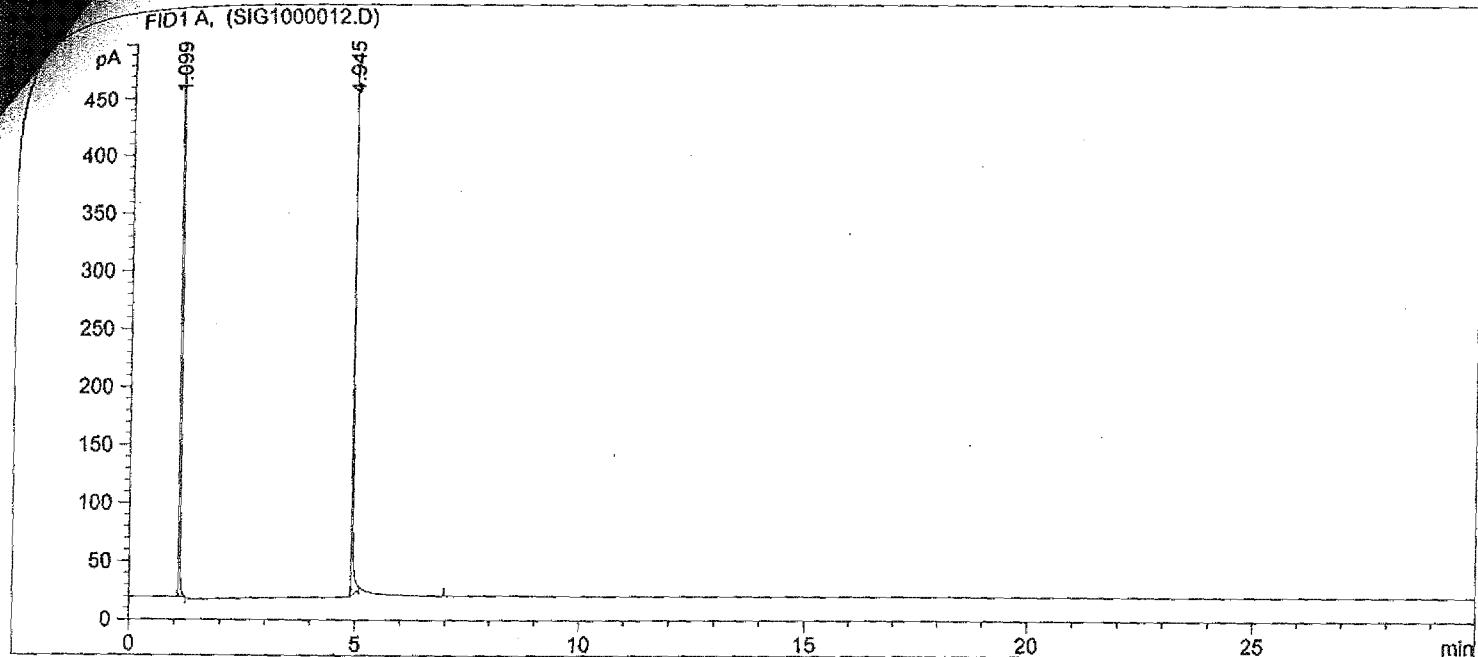
RESULTS Negative

MS
OPERATOR LAG

DATE 3-24-11

DATA/SIG1000012.D
ASD
Instrument : drugLab GC #2
Date : 3/19/2011 12:09:02 PM
Chrom : C:\CHEM32\1\METHODS\GENSCAN.M
Changed : 3/9/2011 1:49:11 PM by ASD

Seq. Line : 12
Location : Vial 12
Inj : 1
Inj Volume : 1 μ l



=====
Area Percent Report
=====

Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ μ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.099	1	BB S	7.46844e4	7.50135e4	98.99921
2	4.945	1	BB	754.99036	447.50595	1.00079

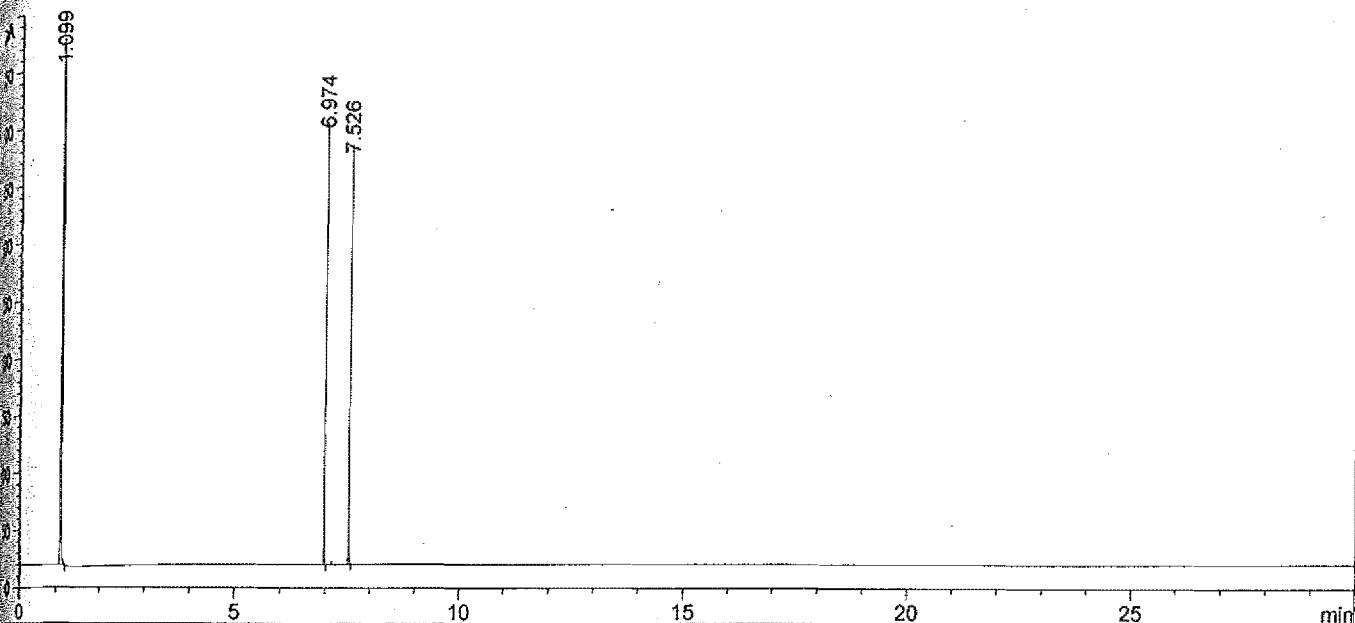
Totals : 7.54394e4 7.54610e4

=====
*** End of Report ***

C:\CHEM32\1\DATA\SIG1000018.D
re: COKE/CODEINE STD

Operator : ASD Seq. Line : 18
Instrument : DrugLab GC #2 Location : Vial 18
ion Date : 3/19/2011 3:37:46 PM Inj : 1
Inj Volume : 1 μ l
Changed : C:\CHEM32\1\METHODS\GENSCAN.M
Changed : 3/9/2011 1:49:11 PM by ASD

FID1 A, (SIG1000018.D)



Area Percent Report

By : Retention Time
Multiplier : 1.0000
Dilution : 1.0000
Amount : 1.000000 [ng/ μ l] (not used in calc.)
use Multiplier & Dilution Factor with ISTDs

1: FID1 A,

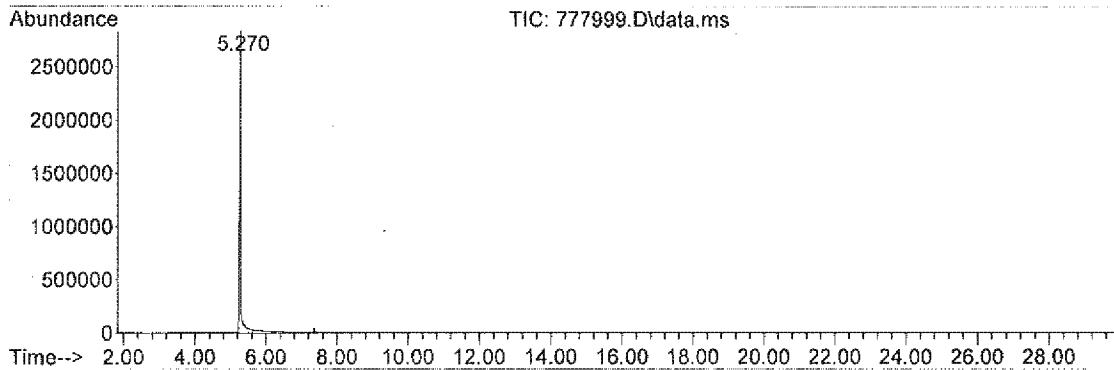
RetTime	Sig	Type	Area	Height	Area
[min]			[pA*s]	[pA]	%
1.099	1	BB S	7.13092e4	7.34931e4	99.21578
6.974	1	BB	284.10925	372.24286	0.39529
7.526	1	BB	279.53513	349.80136	0.38893

7.18728e4 7.42151e4

*** End of Report ***

Information from Data File:

File Name : I:\03_21_11\777999.D
Operator : LAG
Date Acquired : 23 Mar 2011 3:39
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 99
AcquisitionMeth: SCREEN.M
Integrator : RTE



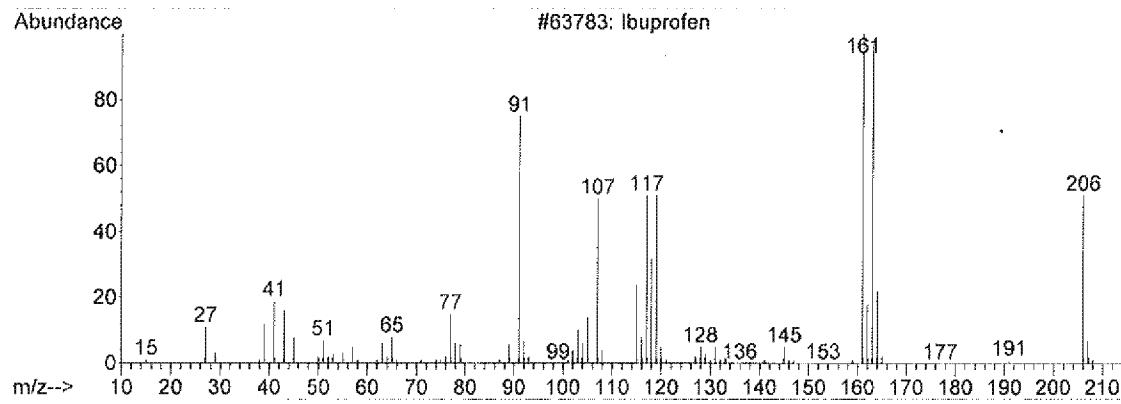
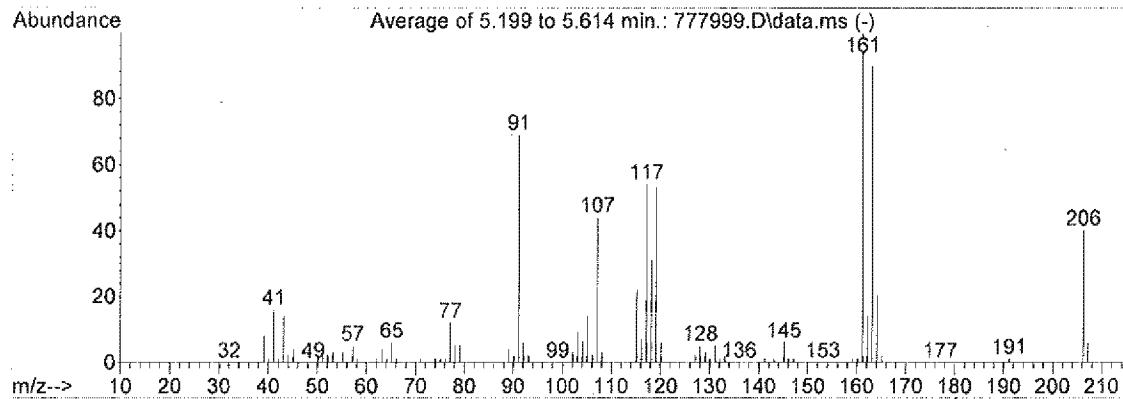
Ret. Time	Area	Area %	Ratio %
5.270	6937528	100.00	100.00

Information from Data File:

File Name : I:\03_21_11\777999.D
Operator : LAG
Date Acquired : 23 Mar 2011 3:39
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 99
AcquisitionMeth: SCREEN.M
Integrator : RTE

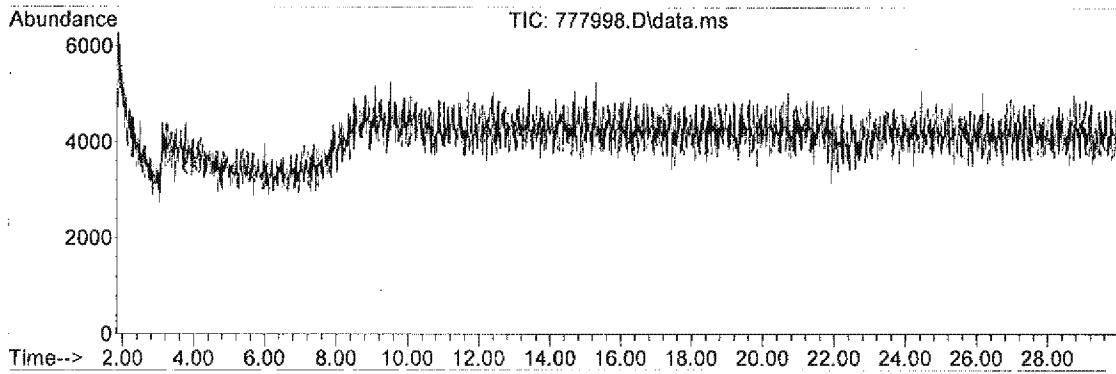
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.27	C:\Database\NIST08.L		
		Ibuprofen	015687-27-1	99
		Ibuprofen	015687-27-1	99
		Ibuprofen	015687-27-1	99



Information from Data File:

File Name : I:\03_21_11\777998.D
Operator : LAG
Date Acquired : 23 Mar 2011 3:04
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS